Mapping Sea-Ice Freeboard-Height Distributions and Ice Thicknesses with ICESat

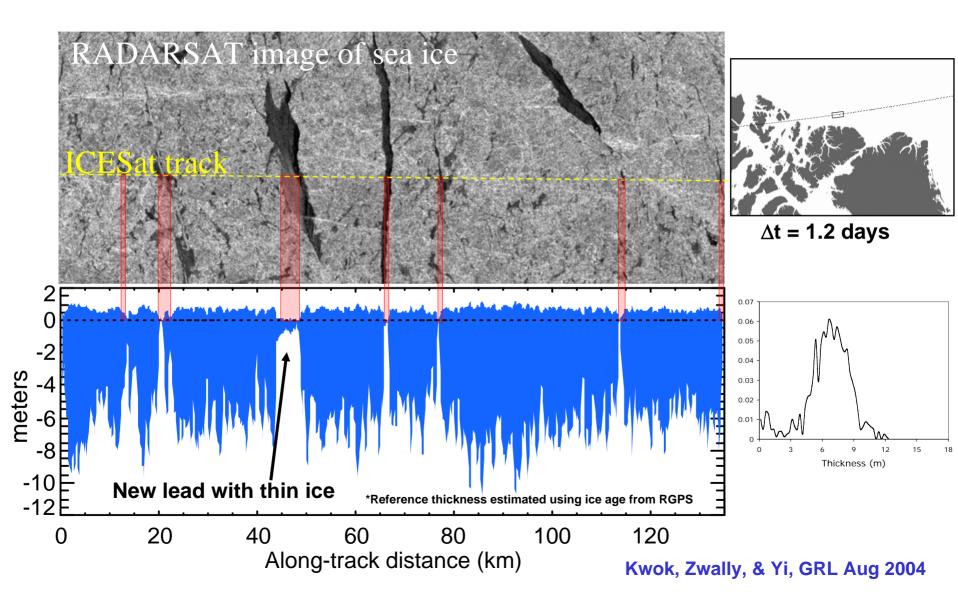
H. Jay Zwally, Donghui Yi, and Jack Saba

AASI Workshop Jan. 13, 14 2005

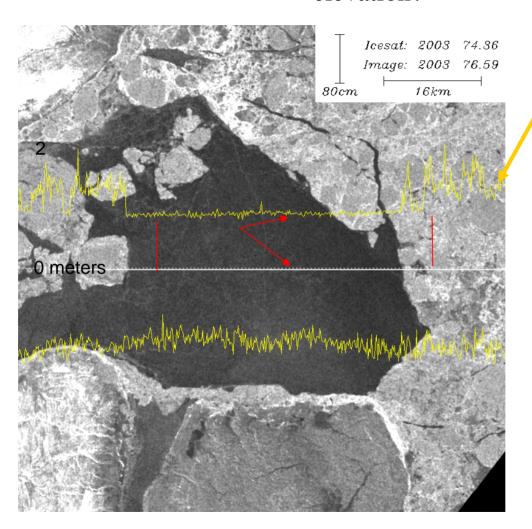




Near-coincident ICESat and RADARSAT Data Over Arctic Sea Ice

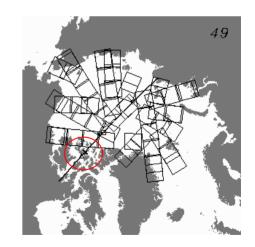


What is the approx noise floor of retrieved elevation?



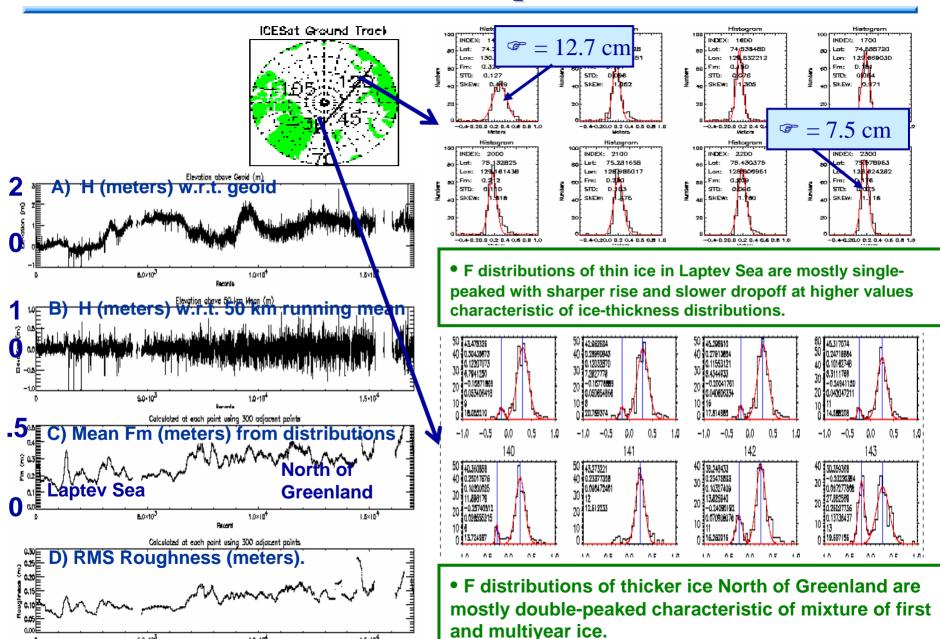
JCESat elevations

At 10 km - ~1.5 - 2 cm

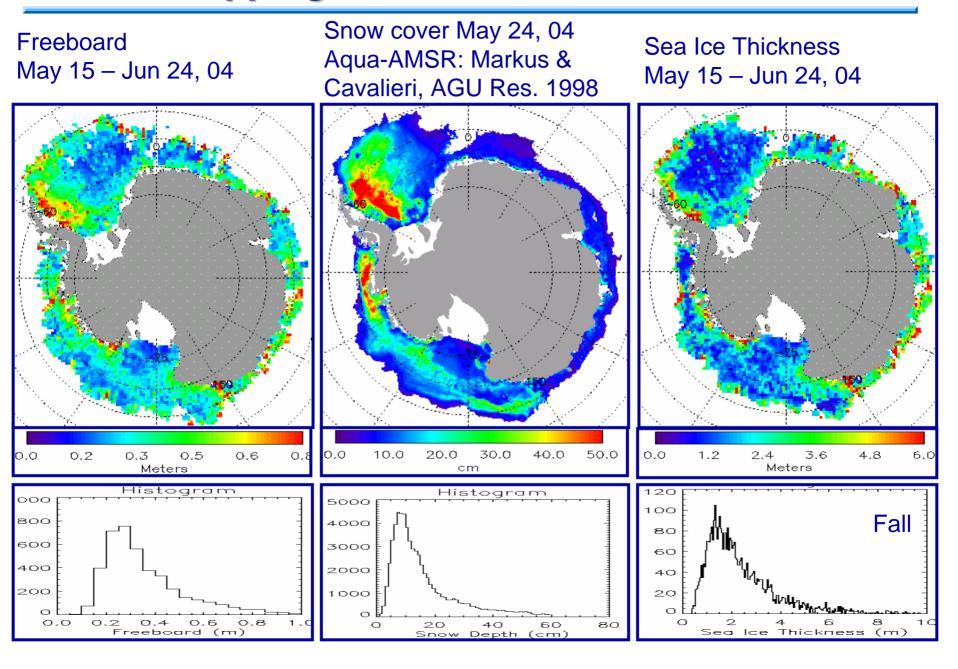


Ron Kwok, JPL

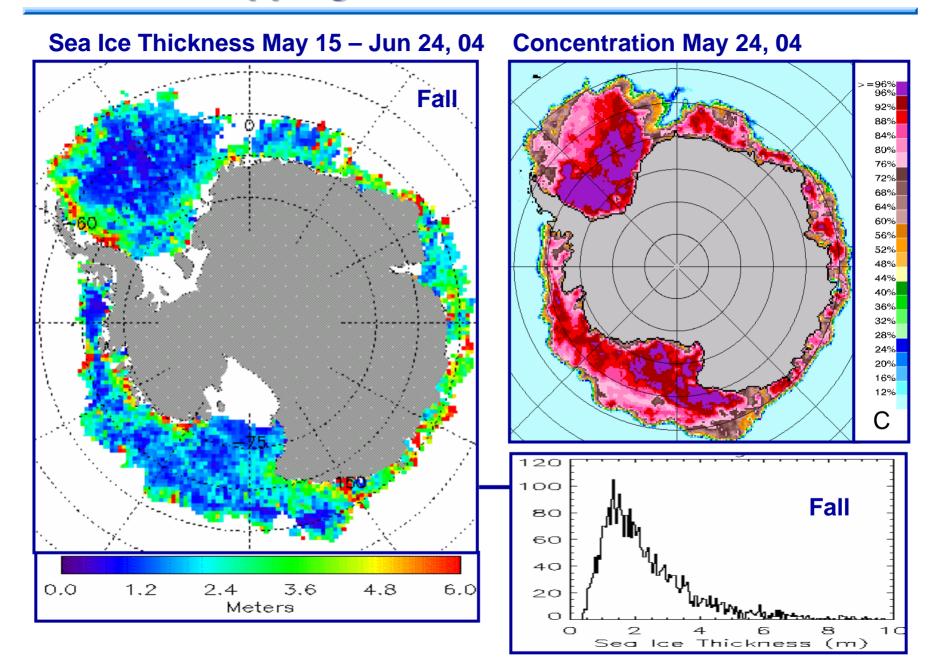
First Sea Ice Thickness Maps From Satellite Laser



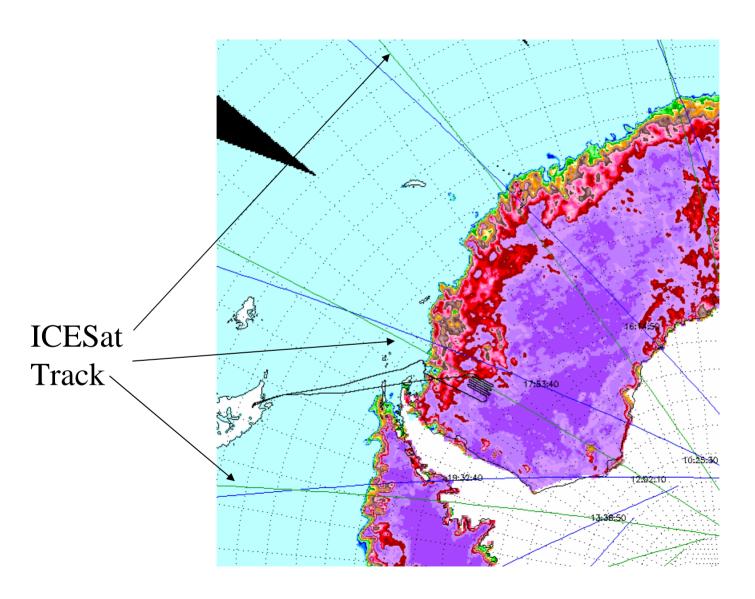
First Mapping of Antarctic Sea Ice Thickness



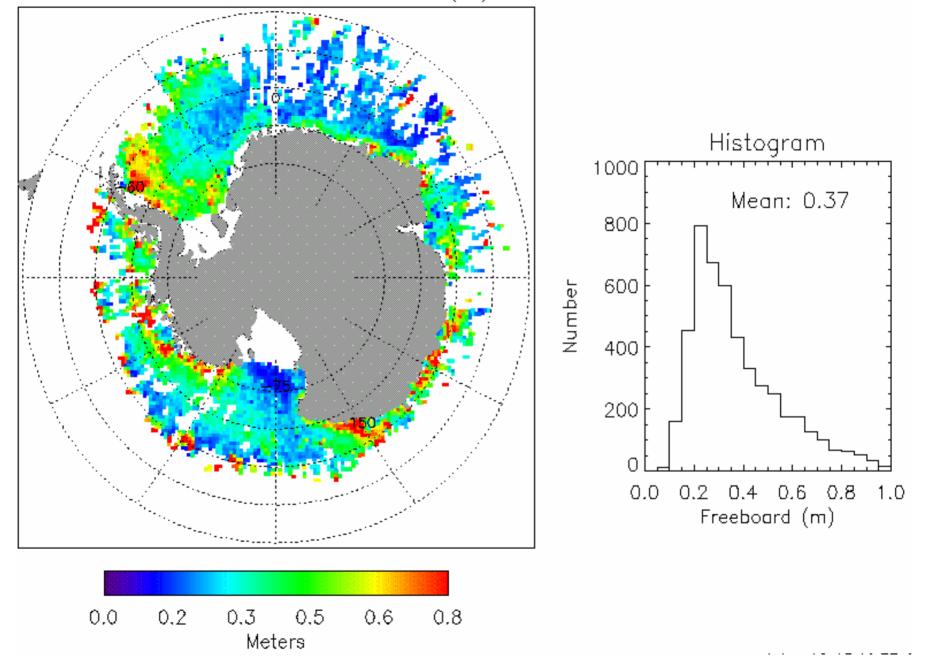
First Mapping of Antarctic Sea Ice Thickness

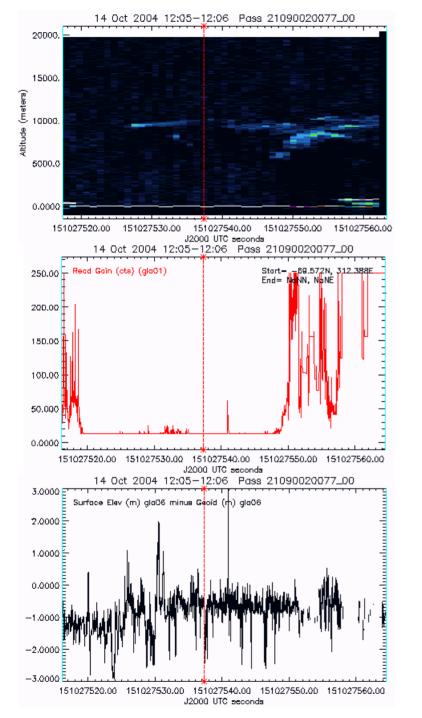


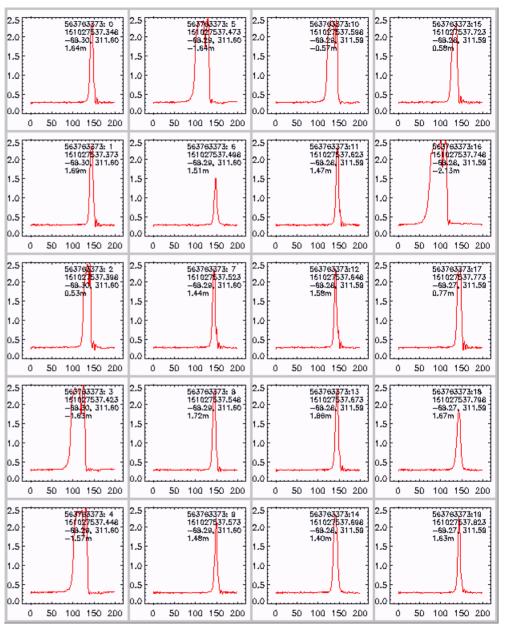
Oct 14, 2004, Field Campaign

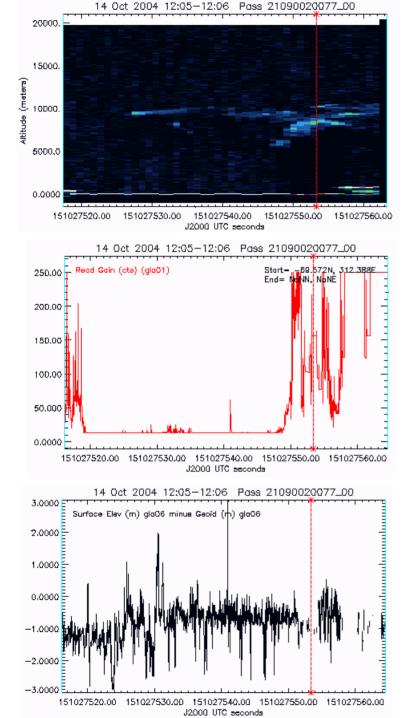


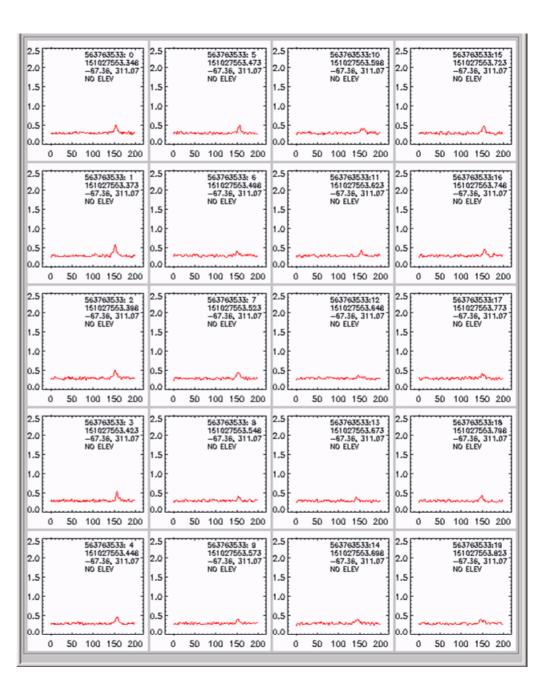
Oct 4 -Nov 8, 2004, Freeboard (m)

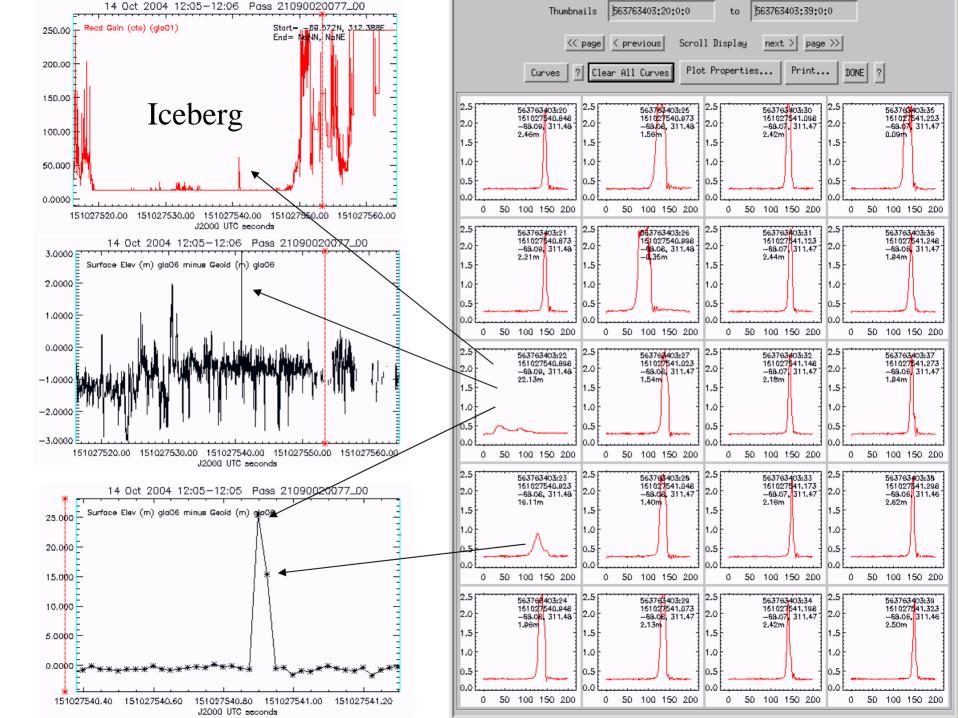


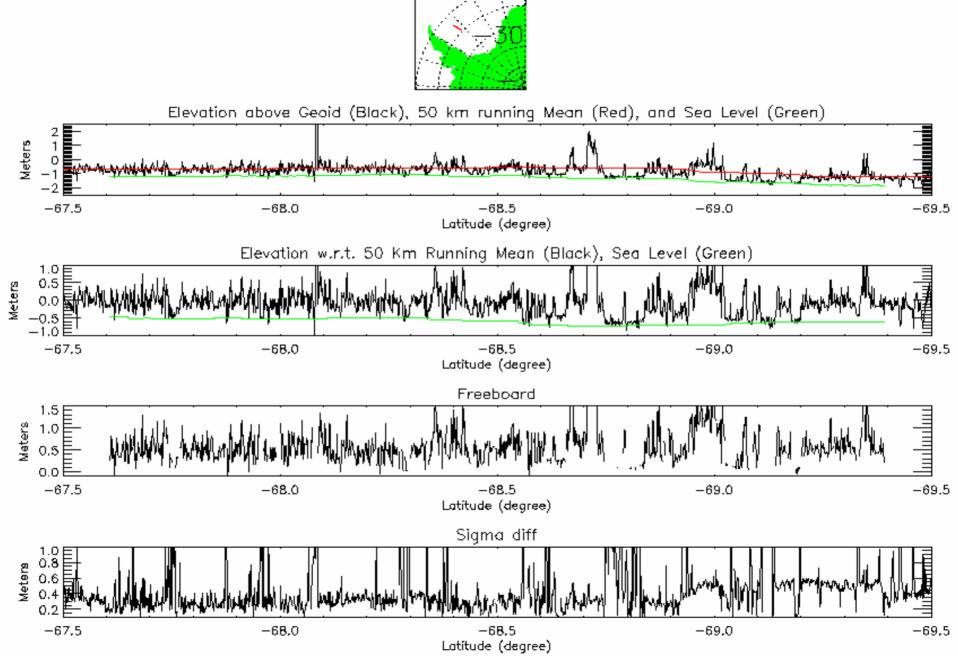












Track 77 cycle

